

US-PAT-NO: **6311819**

DOCUMENT-IDENTIFIER: US 6311819 B1

**\*\*See image for Certificate of Correction\*\***

TITLE: Method and apparatus for document processing

----- KWIC -----

Abstract Text - ABTX (1):

A currency evaluation device for receiving a stack of currency bills and rapidly evaluating all the bills in the stack. The device comprises an input receptacle for receiving a stack of bills to be evaluated and a plurality of output receptacles for receiving the bills after the bills have been evaluated. A transport mechanism transports the bills, one at a time, from the input receptacle to the output receptacles along a transport path. A discriminating unit including a detector positioned along the transport path between the input receptacle and the output receptacles counts and determines the denomination of the bills. The device further comprises a processor which flags a bill meeting or failing to meet a certain criteria. The processor causes the transport mechanism to halt in response to the detection of a bill meeting or failing to meet the criteria. A **routing** interface comprising a data retrieval device receives information from a user of the evaluation device specifying to which **output receptacles** bills that are flagged by the processor are to be **directed**.

US Patent No. - PN (1):

pocket. The display may then indicate that a strap limit has been reached for the first output pocket. Various strap limits may be factory-preset or user-set. Alternatively, "Strap Limits" may be determined by combining the number of notes delivered to two or more of the output pockets.

#### Detailed Description Text - DETX (101):

The "Stacker Full" condition occurs when either or both of the pockets are at or near capacity and are not to receive additional notes. For example, in an embodiment in which the pockets are designed to **receive** a maximum of 300 currency notes, the discriminating device may be **programmed** to halt after 300 notes have been delivered to either of the pockets. The "stacker full" condition thereby will occur upon delivery of the 300th note. Similarly, in an embodiment in which the pockets are designed to receive 600 currency notes, the "stacker full" condition will occur upon delivery of the 600th note.

#### Detailed Description Text - DETX (107):

In general, stranger modes are used to process a stack of notes expected to be of the same denomination, in which the operator desires to remove "stranger" notes, or notes not having the same denomination. For example, a stranger mode may be **selected** to process a **stack** of notes substantially comprised of \$10 bills

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Detailed Description Text

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Detailed Description Text - DETX (127):

In "Sort 1" mode, the discriminator is designed to process a stack of notes and place notes having a first target denomination (e.g., target denomination 1) into pocket 1 and a second target denomination (e.g., target denomination 2) into pocket 2. The **target** denominations may be selected by the operator prior to sorting through a stack, or may be selected automatically by the discriminator, e.g., the first encountered denomination being **designated target** denomination 1 and the second encountered denomination being **designated target** denomination 2.

Detailed Description Text - DETX (132):

For example, in an embodiment in which the discriminator automatically selects the target denominations, if the first note in the stack is a \$1 bill, the machine will designate target note 1 as a \$1 bill and deliver \$1 bills into pocket 1 until encountering the first non-\$1 bill. The first non-\$1 bill, which for example may be a \$5 bill, is then **designated as target** note 2 and is delivered to pocket 2. Then, if and when the discriminator encounters a bill having a third denomination, which for example may be a \$10 bill, the machine will either direct any subsequent \$10 bills into pocket 1, or will stop if necessary to allow the operator to clear pocket 1. The machine may be designed to automatically resume operation delivering subsequent \$10 bills into pocket 1 when the operator removes all the bills present in pocket 1. Assuming that pocket 1 is clear, the machine will then deliver \$10 bills into pocket 1 until encountering the next series of bills, and so on until the entire stack has been processed.

Detailed Description Text - DETX (140):

According